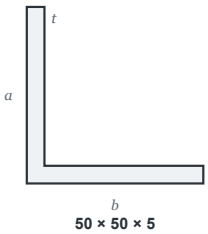
Equal Angle Bar

OMEGA STEEL CO.
Istanbul · Dilovası plant

Equal angles are hot-rolled L-sections with two legs of the same length (EN 10056-1), from 20×20×3 to 200×200×20 mm. They are the connectors and braces of every steel structure and the frames of everything fabricated in a workshop. We stock 25×25 to 150×150 in S235JR (S355J2 on order) in 6 and 12 m from Turkish mills, cut, punched and galvanized in Dilovası.

L 20×20 – 200×200 | S235JR stock · S355J2 | 6 and 12 m | Punched, drilled, galvanized | EN 10056



The angle is the most-bought section in our yard after the hollow section: towers are built of it, tanks are ringed with it, ladders, racks, frames and cleats are cut from it. We keep the full S235JR range on the floor, ship 12 m for towers and 6 m for containers, and punch or drill to your pattern.

EQUAL ANGLE SIZES AND WEIGHT PER METRE

Size (mm)	Leg a (mm)	Thickness t (mm)	Root radius r (mm)	kg/m	kg per 12 m	Bars per ton (12 m)
20 × 20 × 3	20	3	3.5	0.88	11	95
25 × 25 × 3	25	3	3.5	1.12	13	74
25 × 25 × 4	25	4	3.5	1.45	17	57
30 × 30 × 3	30	3	5	1.36	16	61
30 × 30 × 4	30	4	5	1.78	21	47
35 × 35 × 4	35	4	5	2.09	25	40
40 × 40 × 4	40	4	6	2.42	29	34
40 × 40 × 5	40	5	6	2.97	36	28
45 × 45 × 4.5	45	4.5	7	3.06	37	27
50 × 50 × 4	50	4	7	3.06	37	27
50 × 50 × 5	50	5	7	3.77	45	22
50 × 50 × 6	50	6	7	4.47	54	19
60 × 60 × 5	60	5	8	4.57	55	18
60 × 60 × 6	60	6	8	5.42	65	15

First 14 of 36 rows — the full table is on the product page.

Tolerances EN 10056-2: leg length ±1–3 mm, thickness ±0.5–1.5 mm, mass ±6 %. Intermediate thicknesses (e.g. 50×50×4, 60×60×8) on request.

GRADES AND STANDARDS

Grade	Yield (MPa)	Impact	Use
S235JR	235	27 J at +20 °C	the stock grade for channels, angles and flats
S275JR	275	27 J at +20 °C	to order
S355J2	355	27 J at −20 °C	heavy or cold-climate structures, to order
A36 / A572 Gr. 50	250 / 345	on order	ASTM projects

Certified to EN 10025-2, CE-marked under EN 10025-1; S235JR is the stocked grade — sections are mostly governed by stiffness and connection geometry, so the higher grades are ordered only where the design demands them.

STANDARDS

EN 10056-1 — dimensions (equal and unequal angles) · EN 10056-2 — tolerances · EN 10025-2 — S235JR, S275JR, S355J2 · EN 10025-1 — CE marking